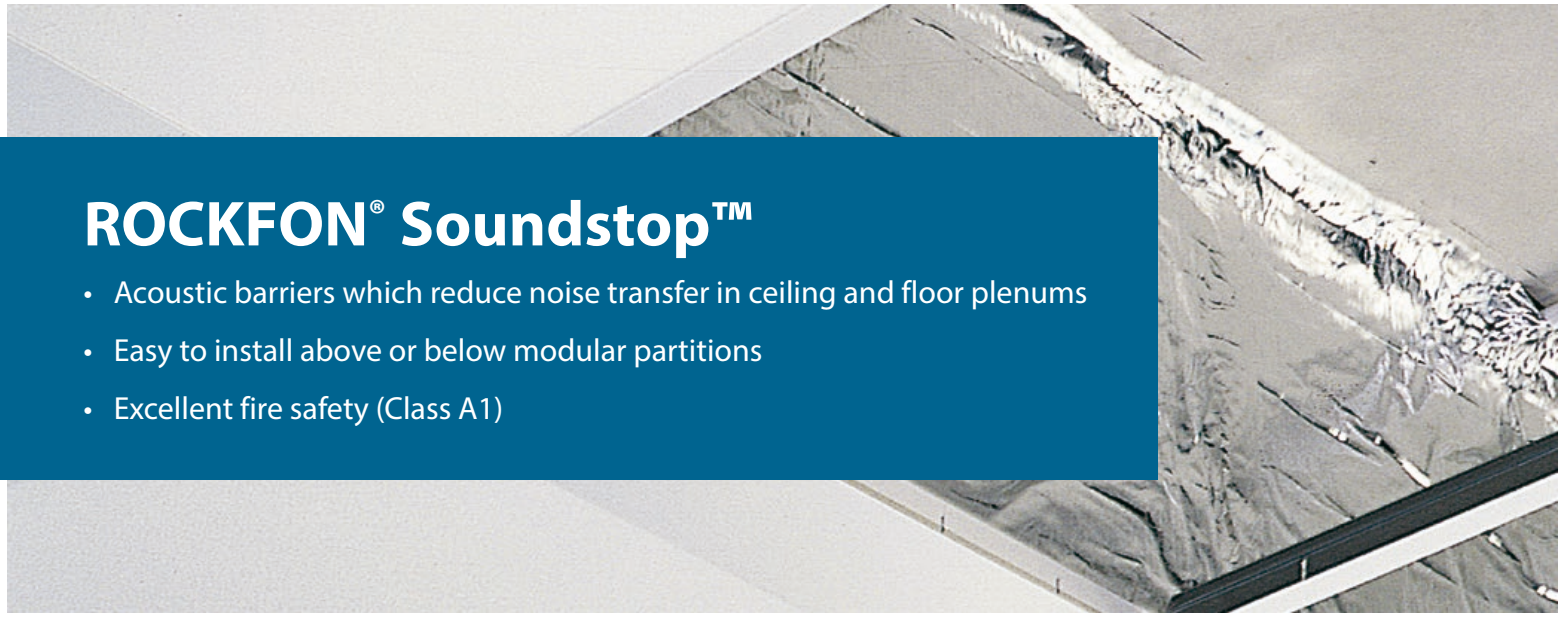
CI/SfB (35) Sm1
MARCH 2016

ROCKFON® Soundstop™

ROCKWOOL Rockfon®

CREATE AND PROTECT®



ROCKFON® Soundstop™

- Acoustic barriers which reduce noise transfer in ceiling and floor plenums
- Easy to install above or below modular partitions
- Excellent fire safety (Class A1)

PRODUCT DESCRIPTION

- Stone wool panel with aluminium foil membrane to one side
- 30 dB rating requires two layers of panels, each 30mm thick, placed back to back

ASSORTMENT

Edge detail	Module size (mm)	Weight (kg/m^2)
Soundstop 30 dB	1200 x 600 x 60	6.9

Dimensions given correspond exactly to the size of the finished products.

PERFORMANCE

Room to room sound insulation

Direct sound insulation

R_w ($C;C_{tr}$) = 30 (-2;-6) dB

Product	$D_{n,f,w}$ ($C;C_{tr}$)	$D_{n,f,w}$ ($C;C_{tr}$) with ROCKFON Acoustimass	$D_{n,f,w}$ ($C;C_{tr}$) with ROCKFON Soundstop 30 dB
ROCKFON Blanka (20mm)	21 (0;-2)**	37 (-1;-5)**	41 (-2;-7)**
ROCKFON Blanka dB 35	35 (-2;-8)*	47 (-2;-9)**	50 (-7;-16)**
ROCKFON Blanka dB 40	40 (-2;-6)*	52 (-2;-8)**	55 (-5;-13)**
ROCKFON Blanka dB 42	42 (-2;-7)*	53 (-2;-8)**	55 (-5;-13)**
ROCKFON Blanka dB 44	44 (-1;-7)*	54 (-2;-9)**	56 (-6;-15)**

**) Values obtained by laboratory tests.*
***) Values obtained on the basis of theoretical analysis.*

Reaction to fire

A1

Humidity and sag resistance

Up to 100% RH

Hygiene

Stone wool provides no sustenance to microorganisms

Environment

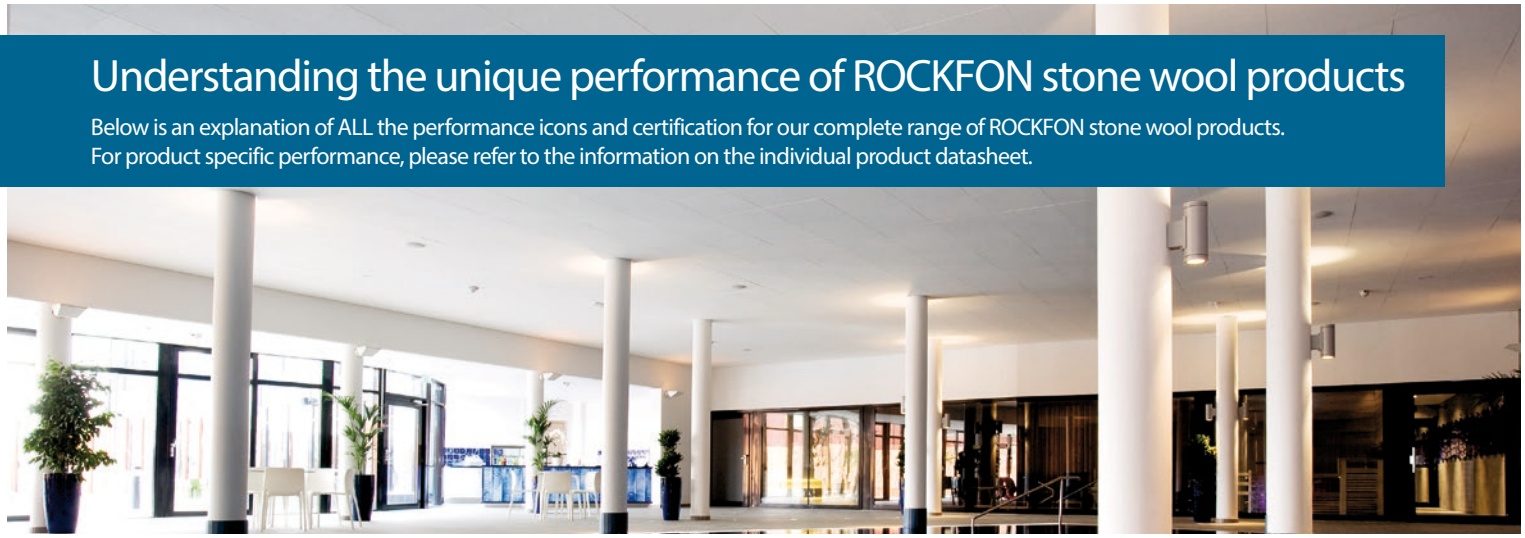
The stone wool core is recyclable

Indoor environment

A selection of ROCKFON products have been awarded

Understanding the unique performance of ROCKFON stone wool products

Below is an explanation of ALL the performance icons and certification for our complete range of ROCKFON stone wool products.
For product specific performance, please refer to the information on the individual product datasheet.



Sound absorption

Sound absorption is measured in accordance with ISO 354. Sound absorption data α_p, α_w and absorption class are calculated in accordance with ISO 11654. Sound absorption properties of islands and baffles are quantified by the equivalent sound absorption area A_{eq} expressed as m^2 per item.

Room-to-room sound insulation

Room-to-room sound insulation $D_{n,f,w}$ ($C;C_{tr}$) is measured in accordance with ISO 10848-2.

Direct sound insulation

Sound reduction index R_w ($C;C_{tr}$) is measured in accordance with ISO 140-3.

Reaction to fire

Reaction to fire is classified in accordance with EN 13501-1.

Fire protection

The stone wool core of ROCKFON products is non-combustible with a melting point of more than 1000°C and provides fire protection. Some ROCKFON ceilings have been tested and classified in accordance with European norm EN 13501-2 and/or national norms.

Light reflection

Light reflection expressed in % is measured in accordance with ISO 7724-2.

Humidity & sag resistance

ROCKFON ceiling tiles are dimensionally stable even at humidity levels of up to 100% relative humidity and can be installed at all temperatures ranging from 0°C to 40°C. They can be installed during the very early stage of the build (when windows are not fully sealed). Their lightweight yet stable non-hygroscopic character minimises the final weight of the fully-installed ceiling. ROCKFON ceiling tiles are predominantly classified as Class 1/C/0N in accordance with EN 13964. Certain module sizes (width above 700mm) are Class 2/C/0N.

Surface durability

The surface of some ROCKFON products is specially treated to provide enhanced durability and dirt resistance.

Cleaning

Vacuum:
The surface can be vacuum cleaned with a soft brush attachment.
Damp cloth:
The surface can be cleaned using a damp cloth or sponge with a slightly alkaline detergent (pH between 7 and 9) without alcohol, ammonia or chlorine. This may render the surface slightly shinier, so we recommend cleaning the entire surface evenly.

Hygiene

Stone wool provides no sustenance to the following microorganisms tested in accordance with JIS Z 2801:2000 and ASTM C 1338-96:

– Escherichia coli
– Staphylococcus aureus
– Methicillin-resistant staphylococcus aureus (MRSA)
– Stachybotrys chartarum
– Penicillium brevicumpactum
– Alternaria tenuissima
– Aspergillus niger
– Sporobolomyces roseum
– Rhodotorula rubra

Clean room

Clean room classification is measured in accordance with ISO 14644-1.

Thermal insulation

The thermal conductivity of products with a thickness ≥ 30mm is measured in accordance with EN 12667 and expressed in mW/mK. Thermal resistance is expressed in m^2K/W.

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